

IN THE CLAIMS

1. (Currently Amended) [[A]] In a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein multiple simulation clients communicate simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, a method for resolving testcase collection inconsistencies between a testcase [[list]] bucket and [[a]] the master harvest hit table, wherein said testcase list identifies bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients, and said harvest hit table includes harvest event entries that associate harvest event identifiers with corresponding testcase identifiers, said method comprising:

~~updating said harvest hit table from a simulation client to include harvest event entries that associate harvest events triggered by testcases with testcase identifiers that identify the corresponding triggering testcases;~~

~~collecting testcase identifiers that identify one or more of said testcases within said testcase list; and~~

within one of said multiple simulation clients:

retrieving a local copy of said master harvest hit table;

executing a current testcase on the simulation model;

identifying harvest events triggered during execution of said current testcase; and

comparing said identified harvest events with harvest events recorded within the local copy of said master harvest hit table to determine whether the identified harvest events have been previously recorded in association with the simulation model;

responsive to said step of comparing said identified harvest events with the harvest events recorded within the local copy of said master harvest hit table resulting in a determination that previous occurrences of one or more of said identified harvest events have not been recorded:

recording said current testcase within said testcase bucket; and

comparing said one or more of said identified harvest events determined not to have been recorded with harvest events recorded within said master harvest hit table;

updating said master harvest hit table with said one or more of said identified harvest events that do not match harvest events recorded in said master harvest hit table;

comparing testcases identified recorded within said testcase [[list]] bucket to testcases identified within said master harvest hit table to determine inconsistencies therebetween ;

responsive to identifying one or more testcases recorded within said master harvest hit table but not within said testcase bucket, removing harvest event entries containing the identified one or more testcases from said master harvest hit table; and

responsive to determining that one or more testcases are recorded within said testcase bucket but not within said master harvest hit table, removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) The method of claim [[4]] 1, ~~wherein said harvest hit table is maintained by an instrumentation server, said removing said non-corresponding testcase identifier from said testcase server comprising including said non-corresponding testcase identifier~~ the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket further comprising including one or more testcase identifiers corresponding to the one or more testcases recorded within said testcase bucket but not within said master harvest hit table in a redundant testcase list within said instrumentation server.

6. (Currently Amended) The method of claim 5, wherein said testcase bucket is maintained by a testcase server ~~includes a harvest testcase bucket which maintains all testcases triggering harvest events for said simulation model,~~ said method further comprising:

delivering said redundant testcase list from said instrumentation server to said testcase server; and

removing testcase identifiers included within said redundant testcase list from said ~~harvest~~ testcase bucket.

7. (Currently Amended) [[A]] In a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein multiple simulation clients communicate simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, a system for resolving testcase collection inconsistencies between a testcase [[list]] bucket and [[a]] the master harvest hit table, wherein said testcase list identifies bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients, and said harvest hit table includes harvest event entries that associate harvest event identifiers with corresponding testcase identifiers; said system comprising:

~~processing means for updating said harvest hit table from a simulation client to include harvest event entries that associate harvest events triggered by testcases with testcase identifiers that identify the corresponding triggering testcases;~~

~~processing means for collecting testcase identifiers that identify one or more of said testcases within said testcase list; and~~

processing means for within one of said multiple simulation clients for:

retrieving a local copy of said master harvest hit table;

executing a current testcase on the simulation model;

identifying harvest events triggered during execution of said current testcase; and

comparing said identified harvest events with harvest events recorded within the local copy of said master harvest hit table to determine whether the identified harvest events have been previously recorded in association with the simulation model;

processing means responsive to said step of comparing said identified harvest events with the harvest events recorded within the local copy of said master harvest hit table resulting in a determination that previous occurrences of one or more of said identified harvest events have not been recorded for:

recording said current testcase within said testcase bucket; and

comparing said one or more of said identified harvest events determined not to have been recorded with harvest events recorded within said master harvest hit table;

processing means for updating said master harvest hit table with said one or more of said identified harvest events that do not match harvest events recorded in said master harvest hit table;

processing means for comparing testcases ~~identified~~ recorded within said testcase [[list]] bucket to testcases identified within said master harvest hit table to ~~determine inconsistencies~~ therebetween ;

processing means, responsive to identifying one or more testcases recorded within said master harvest hit table but not within said testcase bucket, for removing harvest event entries containing the identified one or more testcases from said master harvest hit table; and

processing means, responsive to determining that one or more testcases are recorded within said testcase bucket but not within said master harvest hit table, for removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Currently Amended) The system of claim [[10]] 7, ~~wherein said harvest hit table is maintained by an instrumentation server, said processing means for removing said non-corresponding testase identifier from said testcase server comprising processing means for including said non-corresponding testase identifier~~ the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket further comprising including one or more testcase identifiers corresponding to the one or more testcases recorded within said testcase bucket but not within said master harvest hit table in a redundant testcase list within said instrumentation server.

12. (Currently Amended) The system of claim 11, wherein said testcase bucket is maintained by a testcase server ~~includes a harvest testcase bucket which maintains all testcases triggering harvest events for said simulation model~~, said system further comprising:

processing means for delivering said redundant testcase list from said instrumentation server to said testcase server; and

processing means for removing testcase identifiers included within said redundant testcase list from said ~~harvest testcase bucket~~.

13. (Currently Amended) [[A]] In a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein multiple simulation clients communicate simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, a computer-readable medium having encoded thereon computer-executable instructions for resolving testcase collection inconsistencies between a testcase list which includes bucket and a master harvest hit table, wherein said testcase bucket contains testcases that have triggered harvest events within during simulation testing of a simulation model by said multiple simulation clients, and a harvest hit table which records harvest events that have been triggered during simulation of said simulation model, said computer-executable instructions performing a method comprising:

~~updating said harvest hit table from a simulation client to include harvest event entries that associate harvest events triggered by testcases with testcase identifiers that identify the corresponding triggering testcases;~~

~~collecting testcase identifiers that identify one or more of said testcases within said testcase list; and~~

within one of said multiple simulation clients:

retrieving a local copy of said master harvest hit table;

executing a current testcase on the simulation model;

identifying harvest events triggered during execution of said current testcase; and

comparing said identified harvest events with harvest events recorded within the local copy of said master harvest hit table to determine whether the identified harvest events have been previously recorded in association with the simulation model;

responsive to said step of comparing said identified harvest events with the harvest events recorded within the local copy of said master harvest hit table resulting in a determination that previous occurrences of one or more of said identified harvest events have not been recorded:

recording said current testcase within said testcase bucket; and

comparing said one or more of said identified harvest events determined not to have been recorded with harvest events recorded within said master harvest hit table;

updating said master harvest hit table with said one or more of said identified harvest events that do not match harvest events recorded in said master harvest hit table;

comparing testcases ~~identified~~ recorded within said testcase [[list]] bucket to testcases identified within said master harvest hit table to determine inconsistencies therebetween ;

responsive to identifying one or more testcases recorded within said master harvest hit table but not within said testcase bucket, removing harvest event entries containing the identified one or more testcases from said master harvest hit table; and

responsive to determining that one or more testcases are recorded within said testcase bucket but not within said master harvest hit table, removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket.

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) The computer-readable medium of claim [[16]] 13, ~~wherein said harvest hit table is maintained by an instrumentation server, said removing said non-corresponding testcase identifier from said testcase server comprising including said non-corresponding testcase identifier~~ the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket further comprising including one or more testcase identifiers corresponding to the one or more testcases recorded within said testcase bucket but not within said master harvest hit table in a redundant testcase list within said instrumentation server.

18. (Currently Amended) The computer-readable medium of claim 17, wherein said testcase bucket is maintained by a testcase server ~~includes a harvest testcase bucket which maintains all testcases triggering harvest events for said simulation model~~, said method further comprising:

delivering said redundant testcase list from said instrumentation server to said testcase server; and

removing testcase identifiers included within said redundant testcase list from said ~~harvest~~ testcase bucket.